WHAT IS CLAIMED IS:

- 1. A digital communication system for communication between a first terminal and a second terminal, the first terminal comprising a spread spectrum modulator configured to spread a transmitted signal, the transmitted signal being spread by a spread factor.
- 2. A system as claimed in claim 1, wherein the spread factor is in the range of 1 to 999.
- 3. A system as claimed in claim 1, wherein the spread factor is in the range of 10 to 50.
 - 4. A system as claimed in claim 1, wherein the spread factor is 31.
- 5. A system as claimed in claim 1, wherein the spread spectrum modulator is selected from one of a direct sequence spread spectrum modulator and a frequency hopping spread spectrum modulator.
- 6. A system as claimed in claim 1, wherein the second terminal comprises a spread spectrum demodulator.
- 7. A system as claimed in claim 6, wherein the spread spectrum demodulator is selected from one of a direct sequence spread spectrum demodulator and a frequency hopping spread spectrum demodulator.
- 8. A system as claimed in claim 5, wherein the direct sequence spread spectrum modulator forms part of a first terminal modem.
- 9. A system as claimed in claim 8, wherein the first terminal modem comprises at least one of the following: an interface, a microprocessor, a forward error correction encoder, a further modulator, an up converter, a block up converter, and an amplifier.
- 10. A system as claimed in claim 7, wherein the direct sequence spread spectrum demodulator forms part of a second terminal modem.
- 11. A system as claimed in claim 10, wherein the second terminal modem comprises at least one of the following: a block converter, a down converter, a microcontroller, and an interface.
- 12. A system as claimed in claim 8, wherein the first terminal modem is part of a first terminal processing equipment, the first terminal processing equipment comprising at least one of the following: a transmit reject filter, a low noise block filter, a block up converter, and up converter, and an amplifier.

- 13. A system as claimed in claim 10, wherein the second terminal modem is part of a second terminal processing equipment, the second terminal processing equipment comprising at least one of the following: a transmit reject filter, a block converter, and a microcontroller.
- 14. A system as claimed in claim 1, wherein the first terminal is a remote terminal and the second terminal is a hub terminal.
 - 15. A method for the reduction of noise relative to a signal, the method comprising:
 - (a) at a first terminal, generating a signal to be transmitted;
 - (b) at the first terminal, modulating the signal to spread the signal so as to form a spread signal; and
 - (c) at the first terminal, transmitting the spread signal.
- 16. A method as claimed in claim 15, wherein the spread signal is received by a second terminal, the second terminal using a demodulator to de-spread the spread signal and any received signal noise.
 - 17. A method for the reduction of noise relative to a signal, the method comprising:
 - (a) at a second terminal, receiving a spread signal; and
 - (b) at the second terminal, using a demodulator to de-spread the spread signal and any received signal noise so as to form the signal and to reduce the received signal noise.
- 18. A method as claimed in claim 17, wherein the spread signal is transmitted by a first terminal, the first terminal modulating a transmitted signal to spread the transmitted signal so as to form the spread signal prior to transmitting the spread signal.
- 19. A method as claimed in claim 15, wherein the first terminal comprises a spread spectrum modulator configured to spread the transmitted signal, the transmitted signal being spread by a spread factor.
- 20. A method as claimed in claim 18, wherein the first terminal comprises a spread spectrum modulator configured to spread the transmitted signal, the transmitted signal being spread by a spread factor.
- 21. A method as claimed in claim 19, wherein the spread factor is in the range of 1 to 999.
- 22. A method as claimed in claim 19, wherein the spread factor is in the range of 10 to 50.

- 23. A method as claimed in claim 19, wherein the spread factor is 31.
- 24. A method as claimed in claim 19, wherein the spread spectrum modulator is selected from one of a direct sequence spread spectrum modulator and a frequency hopping spread spectrum modulator.
- 25. A method as claimed in claim 20, wherein the spread spectrum modulator is selected from one of a direct sequence spread spectrum modulator and a frequency hopping spread spectrum modulator.
- 26. A method as claimed in claim 16, wherein the second terminal comprises a spread spectrum demodulator.
- 27. A method as claimed in claim 26, wherein the spread spectrum demodulator is selected from one of a direct sequence spread spectrum demodulator and a frequency hopping spread spectrum demodulator.
- 28. A method as claimed in claim 24, wherein the direct sequence spread spectrum modulator forms part of a first terminal modem.
- 29. A method as claimed in claim 25, wherein the direct sequence spread spectrum modulator forms part of a first terminal modem.
- 30. A method as claimed in claim 28, wherein the first terminal modem comprises at least one of the following: an interface, a microprocessor, a forward error correction encoder, a further modulator, an up converter, a block up converter, and an amplifier.
- 31. A method as claimed in claim 26, wherein the spread spectrum demodulator forms part of a second terminal modem.
- 32. A method as claimed in claim 31, wherein the second terminal modem comprises at least one of the following: a block converter, a down converter, a microcontroller, and an interface.
- 33. A method as claimed in claim 28, wherein the first terminal modem is part of a first terminal processor.
- 34. A method as claimed in claim 31, wherein the second terminal modem is part of a second terminal processor.
- 35. A method as claimed in claim 16, wherein the first terminal is a remote terminal and the second terminal is a hub terminal.

- 36. A computer readable medium storing a program which performs a method for the reduction of noise relative to a signal, the method comprising:
 - (a) at a first terminal, generating a signal to be transmitted;
 - (b) at the first terminal, modulating the signal to spread the signal so as to form a spread signal; and
 - (c) at the first terminal, transmitting the spread signal.
- 37. A computer readable medium storing a program which performs a method for the reduction of noise relative to a signal, the method comprising:
 - (a) at a second terminal, receiving a spread signal; and
 - (b) at the second terminal, demodulating the spread signal including a despread of the spread signal and any received signal noise so as to form the signal and to reduce the received signal noise.
 - 38. A method for the reduction of noise relative to a signal, the method comprising: at a first terminal, generating a signal to be transmitted;
 - at the first terminal, modulating the signal to spread the signal so as to form a spread signal;

at the first terminal, transmitting the spread signal;

at a second terminal, receiving the spread signal; and

at the second terminal, demodulating the spread signal, including a de-spread of the spread signal and any received signal noise so as to form the signal and to reduce the received signal noise.

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